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EXAM OBJECTIVES TRACKING FOR MCSE CERTIFICATION EXAM # 70-270: INSTALLING, CONFIGURING, AND ADMINISTERING MICROSOFT WINDOWS XP PROFESSIONAL

INSTALLING WINDOWS XP PROFESSIONAL

Objective	Chapter Section
Perform an attended installation of Windows XP Professional.	Chapter 2: Upgrading versus Installing; Planning the Installation; Important Setup Option Differences; Advanced Installation Options; WINNT and WINNT32; Windows XP Professional Setup: Step-by-Step from Floppies
Perform an unattended installation of Windows XP Professional.	Chapter 2: Unattended Installations
Install Windows XP Professional by using Remote Installation Services (RIS).	Chapter 2: Remote Installation Service
Install Windows XP Professional by using the System Preparation Tool.	Chapter 2: Using SYSPREP
Create unattended answer files by using Setup Manager to automate the installation of Windows XP Professional.	Chapter 2: Unattended Installations; Project 2-5
Upgrade from a previous version of Windows to Windows XP Professional.	Chapter 2: Upgrading versus Installing Chapter 5: Files and Settings Transfer Wizard
Prepare a computer to meet upgrade requirements.	Chapter 1: Windows XP Professional Hardware Requirements; Chapter 2: Upgrading versus Installing
Migrate existing user environments to a new installation.	Chapter 2: Upgrading versus Installing
Perform post-installation updates and product activation.	Chapter 2: Activating Windows XP; Chapter 14: Automatic Updates - Windows Update
Troubleshoot failed installations.	Chapter 2: Troubleshooting an Installation

IMPLEMENTING AND CONDUCTING ADMINISTRATION OF RESOURCES

Objective	Chapter Section
Monitor, manage, and troubleshoot access to files and folders.	Chapter 4: File System Object Level Properties; Managing NTFS Permissions; Managing Shared Folders; Troubleshooting Access Problems
Configure, manage, and troubleshoot file compression.	Chapter 4: File Compression
Control access to files and folders by using permissions.	Chapter 4: File System Object Level Properties; Managing NTFS Permissions; Managing Shared Folders; Troubleshooting Access Problems
Optimize access to files and folders.	Chapter 4: File System Object Level Properties; Managing NTFS Permissions; Managing Shared Folders
Manage and troubleshoot access to shared folders.	Chapter 4: File System Object Level Properties; Managing NTFS Permissions; Managing Shared Folders; Troubleshooting Access Problems
Create and remove shared folders.	Chapter 4: File System Object Level Properties; Managing NTFS Permissions; Managing Shared Folders
Control access to shared folders by using permissions.	Chapter 4: File System Object Level Properties; Managing NTFS Permissions; Managing Shared Folders
Manage and troubleshoot Web server resources.	Chapter 8: Internet Information Server
Connect to local and network print devices.	Chapter 9: Printing Across the Network; Installing and Managing Printers
Manage printers and print jobs.	Chapter 9: Printing Across the Network; Installing and Managing Printers
Control access to printers by using permissions.	Chapter 9: Installing and Managing Printers
Connect to an Internet printer.	Chapter 9: Printers and the Web
Connect to a local print device.	Chapter 9: Installing and Managing Printers
Configure and manage file systems.	Chapter 4: File Storage Basics; File Systems; Disk Management Actions
Convert from one file system to another file system.	Chapter 4: Converting Between File Systems
Configure NTFS, FAT32, or FAT file systems.	Chapter 4: File Storage Basics; File Systems; Disk Management Actions
Manage and troubleshoot access to and synchronization of offline files.	Chapter 4: Offline Files
Configure and troubleshoot fax support.	Chapter 9: Fax Support

IMPLEMENTING, MANAGING, MONITORING, AND TROUBLESHOOTING HARDWARE DEVICES AND DRIVERS

Objective	Chapter Section
Implement, manage, and troubleshoot disk devices.	Chapter 4: File Storage Basics; Drive Configurations; Disk Management Actions
Install, configure, and manage DVD and CD-ROM devices.	Chapter 3: Add Hardware; Removable Media; Chapter 4: File Storage Basics; Drive Configurations; Disk Management Actions
Monitor and configure disks.	Chapter 4: File Storage Basics; Drive Configurations; Disk Management Actions
Monitor, configure, and troubleshoot volumes.	Chapter 4: File Storage Basics; Drive Configurations; Disk Management Actions
Monitor and configure removable media, such as tape devices.	Chapter 4: File Storage Basics; Drive Configurations; Disk Management Actions; Removable Media
Implement, manage, and troubleshoot display devices.	Chapter 3: Add Hardware; Display; Device Manager
Configure multiple-display support.	Chapter 3: Add Hardware; Display; Device Manager
Install, configure, and troubleshoot a video adapter.	Chapter 3: Add Hardware; Display; Device Manager
Configure Advanced Configuration Power Interface (ACPI).	Chapter 3: Power Options, Chapter 14: Hibernate vs. Standby
Implement, manage, and troubleshoot input and output (I/O) devices.	Chapter 3: Add Hardware; Device Manager
Monitor, configure, and troubleshoot I/O devices, such as printers, scanners, multimedia devices, mouse, keyboard, and smart card reader.	Chapter 3: Add Hardware; Device Manager; Chapter 9: Installing and Managing Printers; Troubleshooting Printing Problems
Monitor, configure, and troubleshoot multimedia hardware, such as cameras.	Chapter 3: Add Hardware; Device Manager
Install, configure, and manage modems.	Chapter 3: Add Hardware; Device Manager; Phone and Modem Options; Chapter 8: Configuration of Remote Access; Phone and Modem Options
Install, configure, and manage Infrared Data Association (IrDA) devices.	Chapter 3: Add Hardware; Device Manager; Hands-on Project 8-5
Install, configure, and manage wireless devices.	Chapter 3: Add Hardware; Device Manager

Objective	Chapter Section
Install, configure, and manage USB devices.	Chapter 3: Add Hardware; Device Manager
Install, configure, and manage hand-held devices.	Chapter 3: Add Hardware; Device Manager
Manage and troubleshoot drivers and driver signing.	Chapter 3: Add Hardware; Device Manager; Driver Signing
Monitor and configure multiprocessor computers.	Chapter 1: Multiple Processors; Chapter 2: Planning the Installation; Chapter 10: Processor Bottlenecks

MONITORING AND OPTIMIZING SYSTEM PERFORMANCE AND RELIABILITY

Objective	Chapter Section
Monitor, optimize, and troubleshoot performance of the Windows XP Professional desktop.	Chapter 10: Monitoring and Performance Tuning; Recognizing and Handling Bottlenecks; Eight Ways to Boost Windows XP Professional Performance
Optimize and troubleshoot memory performance.	Chapter 10: Monitoring and Performance Tuning; Recognizing and Handling Bottlenecks; Eight Ways to Boost Windows XP Professional Performance; Memory Bottlenecks
Optimize and troubleshoot processor utilization.	Chapter 10: Monitoring and Performance Tuning; Recognizing and Handling Bottlenecks; Eight Ways to Boost Windows XP Professional Performance; Processor Bottlenecks
Optimize and troubleshoot disk performance.	Chapter 10: Monitoring and Performance Tuning; Recognizing and Handling Bottlenecks; Eight Ways to Boost Windows XP Professional Performance; Disk Bottlenecks
Optimize and troubleshoot application performance.	Chapter 10: Monitoring and Performance Tuning; Recognizing and Handling Bottlenecks; Eight Ways to Boost Windows XP Professional Performance; Chapter 11: Windows XP Professional Application Support
Configure, manage, and troubleshoot Scheduled Tasks.	Chapter 3: Scheduled Tasks
Manage, monitor, and optimize system performance for mobile users.	Chapter 3: Hardware Profiles; Chapter 10: Monitoring and Performance Tuning; Recognizing and Handling Bottlenecks; Eight Ways to Boost Windows XP Professional Performance
Restore and back up the operating system, System State data, and user data.	Chapter 14: Windows XP Professional Fault Tolerance

Objective	Chapter Section
Recover System State data and user data by using Windows Backup.	Chapter 14: Windows XP Professional Fault Tolerance; Microsoft Backup Utility
Troubleshoot system restoration by starting in Safe Mode.	Chapter 14: Windows XP Professional Fault Tolerance; Repairing Windows XP Professional
Recover System State data and user data by using the Recovery Console.	Chapter 14: Windows XP Professional Fault Tolerance; Repairing Windows XP Professional

CONFIGURING AND TROUBLESHOOTING THE DESKTOP ENVIRONMENT

Objective	Chapter Section
Configure and manage user profiles.	Chapter 5: User Profiles
Configure support for multiple languages or multiple locations.	Chapter 3: Regional and Language Settings; Chapter 9: Phone and Modem Options
Enable multiple-language support.	Chapter 3: Regional and Language Settings
Configure multiple-language support for users.	Chapter 3: Regional and Language Settings
Configure local settings.	Chapter 3: Regional and Language Settings
Configure Windows XP Professional for multiple locations.	Chapter 3: Regional and Language Settings; Chapter 9: Phone and Modem Options
Manage applications by using Windows Installer packages.	Chapter 14: Application Installation and Repair
Configure and troubleshoot desktop settings.	Chapter 1: Intelligent User Interface; Chapter 3: Control Panel Overview
Configure and troubleshoot accessibility services.	Chapter 3: Accessibility Options

IMPLEMENTING, MANAGING, AND TROUBLESHOOTING NETWORK PROTOCOLS AND SERVICES

Objective	Chapter Section
Configure and troubleshoot the TCP/IP protocol.	Chapter 7: TCP/IP; TCP/IP Architecture; TCP/IP Configuration
Connect to computers by using dial-up networking.	Chapter 7: Networking Under Windows XP; Chapter 8: Remote Access; Configuration of Remote Access
Connect to computers by using a Virtual Private Network (VPN) connection.	Chapter 7: Networking Under Windows XP; Chapter 8: Remote Access; Configuration of Remote Access
Create a dial-up connection to connect to a remote access server.	Chapter 7: Networking Under Windows XP; Chapter 8: Remote Access; Configuration of Remote Access
Connect to the Internet by using dial-up networking.	Chapter 7: Networking Under Windows XP; Chapter 8: Remote Access; Configuration of Remote Access
Configure and troubleshoot Internet Connection Sharing.	Chapter 7: Networking Under Windows XP; Chapter 8: Remote Access; Configuration of Remote Access; Internet Connection Sharing
Connect to resources using Internet Explorer.	Chapter 8: Internet Explorer
Configure, manage, and implement Internet Information Services (IIS).	Chapter 8: Internet Information Services; Hands-on Projects 8-6 and 8-7
Configure, manage, and troubleshoot remote desktop and remote assistance.	Chapter 7: Windows XP's Remote Tools
Configure, manage, and troubleshoot an Internet connection firewall.	Chapter 7: Networking Under Windows XP; Chapter 8: Remote Access; Configuration of Remote Access; Internet Connection Firewall

CONFIGURING, MANAGING, AND TROUBLESHOOTING SECURITY

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Objective	Chapter Section
Configure, manage, and troubleshoot Encrypting File System (EFS).	Chapter 6: Encrypted File System (EFS)
Configure, manage, and troubleshoot local security policy.	Chapter 5: Local Security Policy; Chapter 6: Local Computer Policy
Configure, manage, and troubleshoot local user and group accounts.	Chapter 5: Managing User Accounts
Configure, manage, and troubleshoot auditing.	Chapter 5: Audit Policy; Chapter 6: Auditing
Configure, manage, and troubleshoot account settings.	Chapter 5: Managing User Accounts
Configure, manage, and troubleshoot account policy.	Chapter 5: Password Policy; Account Lockout Policy
Configure and troubleshoot local users and groups.	Chapter 5: Managing User Accounts
Configure, manage, and troubleshoot user and group rights.	Chapter 5: User Rights Policy
Troubleshoot cache credentials.	Chapter 5: Cached Credentials
Configure, manage, and troubleshoot a security configuration.	Chapter 5: Local Security Policy; Chapter 6: Local Computer Policy
Configure, manage, and troubleshoot Internet Explorer security settings.	Chapter 8: Internet Options Applet

